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EXAMINER

TO, BAOQUOC N

ART UNIT

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2162

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/835,791

Applicant(s)

DANIEL JR ET AL.

Examiner

Baoquoc N. To

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09/19/2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15, 17, 19-28 and 33-112 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15, 17, 19-28 and 33-112 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

1. Claims 1-15, 17, 19-28 and 33-112 are pending in this application.

Response to Arguments

2. Applicant's arguments with respect to claims 1 and 89 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

3. Claim 1 objected to because of the following informalities: Claim 1 recites ".... an electronic transaction..." in lines 3 and "...an electronic transaction..." in line 6 which is not clear whether they are two separated transaction or one transaction. For the purpose of examination, the examiner interprets "an electronic transaction" in line 6 is the same as "an electronic transaction in line 3. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2162

4. Claims 1-28 and 33-112 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yeskel (US. Patent No. 6,115,509) in view of .

Regarding on claims 1 and 89, Yeskel teaches an item capture research system, said system comprising:

(a) an item capture subsystem for capturing information from a plurality of items relating to an electronic transaction, wherein the plurality of items are comprised of on-us items and cash letters items (capture system 24) (col. 5, line 34);

Yeskel does not explicitly teach a transaction data archive system for storing information captured from the plurality of items relating to an electronic transaction for later retrieval, the transaction data archiving subsystem having a multiple data structures, said multiple structures being comprised of: (i) an on-us items data structure, (ii) an all items data structure, and a cash letter items data structure; wherein the on-us items that are drawn on a financial institution capturing the item, and the cash letter items are items that are drawn on a financial institution; and wherein the information captured from the on-us items is stored in the on-us items data structure, the information captured from the cash letter items is stored in the cash letter items data structure and the information captured from the on-us items and the cash letter items is stored in the all items data structure. However, Yeskel teaches "capture system 24 operates to produce one or more digital images of a document, such as check, each of these digital images being derived from a camera image of the check. For example, the front and back camera images of a check operated upon by a computer to produce the four digital images FBW, FGS, BBW, and BGS" (col. 5, lines 49-54). This suggests

Art Unit: 2162

multiples data structures and including the all items data structure are stored. On the other hand, Jones teaches a transaction data archive system having a multiple data structures, said multiple structures being comprised of: (i) an on-us items data structure, (ii) an all items data structure, and a cash letter items data structure; wherein the on-us items that are drawn on a financial institution capturing the item, and the cash letter items are items that are drawn on a financial institution; and wherein the information captured from the on-us items is stored in the on-us items data structure, the information captured from the cash letter items is stored in the cash letter items data structure and the information captured from the on-us items and the cash letter items is stored in the all items data structure (as corresponding to on-us and transit file sorter system 76 sorts on-us and transit image files and physical documents. Both the on-us and transit image files are sent to a temporary storage unit 72 which stores the image files for a short period of time, for example until the end of the day. At the end of that time period, the temporary storage transmits these files to a permanent storage 18. The transit image files are sent to a cash letter formation unit 84. The physical transit items are imaged by the system 76 and their image files process as described above..." (col. 13, lines 33-47). This suggests on-us item and cash item are imaged and stored in multiple data structure like the storage. Both of the on-us and cash letter are stored in data structure as disclosed by Yeskel namely all items data structure. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to include the capture the images of on-us item and cash letter and stored in the

Art Unit: 2162

data structure as taught in Jones into Yeskel in order to provide the storing and archiving system.

Regarding on claim 2, Yeskel teaches an image data image archive subsystem (col. 5, line 34).

Regarding on claim 3, Yeskel teaches image data archive subsystem includes an on-line items image database and a transit items image database (archive storage device 27).

Regarding on claim 4, Yeskel teaches on-us items image database is of a bank ID number, an account number, and an image date (col. 5, lines 55-63).

Regarding on claim 5, Yeskel teaches transit items image database is comprised of a sorter ID number, an image data, and a sequence number (col. 5, lines 55-63).

Regarding on claim 6, Yeskel teaches image data archive subsystem is further comprised of a white paper image database (col. 5, lines 55-63).

Regarding on claim 7, Yeskel teaches white paper image database is comprised of an account number and an image date (col. 5, lines 55-63).

Regarding on claim 8, Yeskel teaches image data archive subsystem is further comprised of an image data index (col. 6, lines 16-21).

Regarding on claim 9, Yeskel teaches image data index is comprised of an image date, a sorter ID number, a sorter cycle and a sequence number (col. 5, lines 55-63).

Regarding on claim 10, Yeskel teaches image data index is further comprised of a database identifier (col. 5, lines 55-63).

Art Unit: 2162

Regarding on claim 11, Yeskel teaches item capture subsystem is further comprised of a document processor (col. 5, lines 49-54).

Regarding on claim 12, Yeskel teaches item capture subsystem is further comprised of an image camera (col. 5, lines 49-54).

Regarding on claim 13, Yeskel teaches item capture subsystem is further comprised of an associator (col. 6, lines 15-20).

Regarding on claim 14, Cahill teaches item capture subsystem is further comprised of an image camera (col. 5, lines 49-54).

Regarding on claim 15, Yeskel teaches item capture subsystem is further comprised of an associator (col. 6, lines 15-10).

Regarding on claim 17, Yeskel teaches the electronic transaction is selected from the group consisting of an ATM transaction, a wire transaction, a phone access transaction, a debit card transaction and an online transaction (col. 6, lines 31-54).

Regarding on claim 19, Yeskel teaches a research engine 18 for receiving an item request and directing a response to the item request (col. 5, lines 30-35).

Claim 18 is rejected under the same reason as to claim 1.

Regarding on claim 20, Yeskel teaches research engine is comprised of a request interpreter, a request director, a request processor (col. 5, lines 30-35).

Regarding on claim 21, Yeskel teaches request interpreter is an all items request interpreter and is used to search the all items data structure (col. 5, lines 30-35).

Art Unit: 2162

Regarding on claim 22, Yeskel teaches request interpreter is a cash letter request interpreter and is used to search the cash letter items data structure (col. 5, lines 30-35).

Regarding on claim 23, Yeskel teaches request indicator directs a search request to the request processor (col. 5, lines 30-35).

Regarding on claim 24, Yeskel teaches request processor is an all entries request processor (col. 5, lines 30-35).

Regarding on claim 25, Yeskel teaches request processor is an all items request processor (col. 5, lines 30-35).

Regarding on claim 26, Yeskel teaches request processor is a cash letter request processor (col. 5, lines 30-35).

Regarding on claim 27, Yeskel teaches request processor is a cash letter items request processor (col. 5, lines 30-35).

Regarding on claim 28, Yeskel teaches on-us items data structure is comprised of an on-us items file (col. 5, lines 49-55)).

Regarding on claim 33, Yeskel teaches on-us items file is a VSAM file (col. 6, lines 16-21).

Regarding on claim 34, Yeskel teaches on-us items file is online (col. 5, lines 1-8).

Regarding on claim 35, Yeskel teaches on-us items data structure is further comprised of an on-us items archive file (col. 5, lines 49-53).

Art Unit: 2162

Regarding on claim 36, Yeskel teaches on-us items archive file is comprised of MICR code line data, a posted amount, a bank ID number, an account number and a posting date (col. 5, lines 55-63).

Regarding on claim 37, Yeskel teaches MICR codeline data is comprised of a routing/transit number, an account number and a serial number (col. 5, lines 55-63).

Regarding on claim 38, Cahill teaches MICR codeline data is further comprised of a process control field (col. 5, lines 55-63).

Regarding on claim 39, Yeskel teaches on-us items archive file is further comprised of at least one additional data field selected from the group consisting of a sequence number, payee account number, transaction code and import source (col. 5, lines 55-63).

Regarding on claim 40, Yeskel teaches on-us items archive file is a VSAM file (col. 6, lines 16-21).

Regarding on claim 41, Yeskel teaches on-us items archive file is offline (col. 5, lines 1-6).

Regarding on claim 42, Yeskel teaches on-us items archive file is stored on magnetic tape (col. 9, lines 42-49).

Regarding on claim 43, Yeskel teaches on-us items data structure is further comprised of an on-us items archive index, wherein the on-us items archive index is an index to the on-us items archive file (col. 6, lines 16-21).

Regarding on claim 44, Yeskel teaches said on-us items archive index is a VSAM file (col. 6, lines 16-21).

Art Unit: 2162

Regarding on claim 45, Yeskel teaches on-us items archive index is online (col. 5, lines 1-5).

Regarding on claim 46, Yeskel teaches on-us items archive index is stored on a DASD (col. 8, lines 1-8).

Regarding on claim 47, Yeskel teaches all items data structure is comprised of an all entries file (col. 5, lines 49-53).

Regarding on claim 48, Yeskel teaches all entries file is comprised of a capture site, a capture date, and an entry number (col. 5, lines 55-63).

Regarding on claim 49, Yeskel teaches entry number is further comprised of block information, the block information being comprised of a block sequence number and a block amount (col. 5, lines 49-55).

Regarding on claim 50, Yeskel teaches block information is further comprised of batch information, said batch information being comprised of a batch sequence number and a batch amount (col. 31, lines 25-37).

Regarding on claim 51, Yeskel teaches all entries file is a VSAM file (col. 6, lines 16-21).

Regarding on claim 52, Yeskel teaches all entries file is online (col. 5, lines 1-8).

Regarding on claim 53, Yeskel teaches all entries file is stored on a DASD (col. 8, lines 1-9).

Regarding on claim 54, Cahill teaches all items data structure is further comprised of an all items file (col. 23, lines 1-13).

Art Unit: 2162

Regarding on claim 55, Yeskel teaches all items file is comprised of item information, said item information being comprised of MICR codeline data, an item mount, and an item sequence number (col. 5, lines 55-63).

Regarding on claim 56, Yeskel teaches all items file is a VSAM file (col. 6, lines 16-21).

Regarding on claim 57, Yeskel teaches all items file is online (col. 5, lines 1-8).

Regarding on claim 58, Yeskel teaches all items file is stored on a DASD (col. 7, lines 1-9).

Regarding on claim 59, Yeskel teaches all items data structure is further comprised of an all items archive file (col. 49, lines 49-55).

Regarding on claim 60, Yeskel teaches all items archive file is comprised of item information, said item information being comprised of MICR codeline data, an item amount, and an item sequence number (col. 5, lines 55-63).

Regarding on claim 61, Yeskel teaches all items archive file is a VSAM file (col. 6, lines 1-8).

Regarding on claim 62, Yeskel teaches all items archive file is offline (col. 8, lines 1-8).

Regarding on claim 63, Cahill teaches all items archive file is stored on magnetic tape (col. 13, lines 28-32).

Regarding on claim 64, Yeskel teaches all items data structure is further comprised of an all items archive index, wherein the all items archive index is an index to the all items archive file (col. 6, lines 16-21).

Art Unit: 2162

Regarding on claim 65, Yeskel teaches all items archive index is VSAM file (col. 6, lines 16-21).

Regarding on claim 66, Yeskel teaches all items archive index is online (col. 6, lines 16-21).

Regarding on claim 67, Yeskel teaches all items archive index is stored on a DASD (col. 8, lines 1-9).

Regarding on claim 68, Yeskel teaches cash letter items data structure is comprised of a cash letter file (col. 5, lines 49-54).

Regarding on claim 69, Yeskel teaches cash letter file is comprised of an end point identifier, a cash letter date, a cash letter amount and a cash letter time (col. 9, lines 49-54).

Regarding on claim 70, Yeskel teaches cash letter file is a VSAM file (col. 6, lines 6-21).

Regarding on claim 71, Yeskel teaches cash letter file is online (col. 5, lines 1-8).

Regarding on claim 72, Yeskel teaches cash letter file is stored on a DASD (col. 8, lines 1-8).

Regarding on claim 73, Yeskel teaches cash letter items data structure is further comprised of a bundle items file (col. 5, lines 49-55).

Regarding on claim 74, Yeskel teaches bundle items file is comprised of at least one bundle, wherein said at least one bundle is comprised of a bundle amount, a bundle time, and a bundle date (col. 8, lines 49-55).

Art Unit: 2162

Regarding on claim 75, Yeskel teaches at least one bundle is further comprised of at least one items, said at least one item being comprised of MICR codeline data and an item amount (col. 5, lines 55-63).

Regarding on claim 76, Yeskel teaches bundle items file is a VSAM file (col. 6, lines 16-21).

Regarding on claim 77, Yeskel teaches bundle items file is online (col. 5, lines 1-9).

Regarding on claim 78, Yeskel teaches bundle items file is stored on a DASD (col. 7, lines 1-9).

Regarding on claim 79, Yeskel teaches cash letter items data structure further includes a bundle items archive file (col. 5, lines 49-55).

Regarding on claim 80, Yeskel teaches bundle items archive file is comprised of at least one bundle, wherein said at least one bundle is comprised of a bundle amount, a bundle time, and a bundle date (col. 5, lines 55-53).

Regarding on claim 81, Yeskel teaches at least one bundle is further comprised of at least one item, said at least one item being comprised of MICR codeline data and an item amount (col. 5, lines 55-63).

Regarding on claim 82, Yeskel teaches bundle items archive file is a VSAM file (col. 6, lines 16-21).

Regarding on claim 83, Yeskel teaches bundle items archive file is offline (col. 5, lines 1-9).

Regarding on claim 84, Yeskel teaches bundle items archive file is stored on magnetic tape (col. 9, lines 41-49).

Regarding on claim 85, Yeskel teaches cash letter is items data structure is further comprised of a bundle items archive index, wherein the bundle items archive index is an index to the bundle items archive file (col. 6, lines 16-21).

Regarding on claim 86, Yeskel teaches bundle items archive index is an VSAM file (col. 6, lines 16-21).

Regarding on claim 87, Yeskel teaches bundle items archive index is online (col. 5, lines 1-8).

Regarding on claim 88, Yeskel teaches bundle items archive index is stored on a DASD (col. 7, lines 1-9).

Yeskel teaches the method of claim 1 and further also teaches:

- (b) an image archive subsystem (archive system) (col. 5, lines 26); and
- (d) a research engine for receiving an item request and directing a response to the item request (col. 5, lines 30-35).

Regarding on claim 90, Yeskel teaches the on-us items data structure is further comprised of a plurality of credit transactions and a plurality of debit transactions (col. 5, lines 49-55).

Regarding on claim 91, Yeskel teaches each of the plurality of credit transactions and debit transactions is associated with an account number (col. 5, lines 49-55).

Regarding on claim 92, Yeskel teaches each of the plurality of credit transactions and debit transactions is comprised of MICR codeline data, a posted account number, a bank ID number and a posting date (col. 5, lines 55-63).

Regarding on claim 93, Yeskel teaches the MICR codeline data for each of the plurality of credit transactions is comprised of an account number for an associated payee account, an amount and a credit account code (col. 5, lines 55-63).

Regarding on claim 94, Yeskel teaches each of the plurality of credit transactions is associated with one or more corresponding debit transactions, wherein each of the one or more corresponding debit transactions is associated with an account number associated with a payor account (col. 5, lines 49-55).

Regarding on claim 95, Yeskel teaches the MICR codeline data for each of the plurality of credit transactions is further comprised of one or more additional data fields selected from the group consisting of a routing/transit number, a serial number and a process control field (col. 5, lines 55-63).

Regarding on claim 96, Yeskel teaches each of the plurality of credit transactions is further comprised of at least one additional data field selected from the group consisting of a sequence number, transaction code and import source (col. 5, lines 49-55).

Regarding on claim 97, Yeskel teaches the MICR codeline data for each of the plurality of debit transactions is comprised of a routing/transit number, an account number for the associated payor account and an amount (col. 5, lines 55-63).

Art Unit: 2162

Regarding on claim 98, Yeskel teaches each of the plurality of debit transactions is associated with a corresponding credit transaction, wherein each of the corresponding credit transactions is associated with an account number associated with a payee account (col. 5, lines 49-55).

Regarding on claim 99, Yeskel teaches the -MICR codeline data for each of the plurality of debit transactions is further comprised of at least one additional data field selected from the group consisting of a serial number and a process control field (col. 5, lines 49-55).

Regarding on claim 100, Yeskel teaches each of the plurality of debit transactions is further comprised of at least one additional data field selected from the group consisting of a sequence number, transaction code and import source.

Regarding on claim 101, Yeskel teaches the all items data structure is further comprised of a plurality of debit transactions (col. 5, lines 49-55).

Regarding on claim 102, Yeskel teaches the MICR codeline data for each of the plurality of debit transactions is comprised of a routing/transit number, an account number for the associated payor account and an amount (col. 5, lines 55-63)

Regarding on claim 103, Yeskel each of the plurality of debit transactions is associated with a corresponding credit transaction, wherein each of the corresponding credit transactions is associated with an account number associated with a payee account (col. 5, lines 49-55).

Regarding on claim 104, Yeskel teaches the MICR codeline data for each of the plurality of debit transactions is further comprised of at least one additional data field

Art Unit: 2162

selected from the group consisting of a serial number and a process control field (col. 5, lines 49-55).

Regarding on claim 105, Yeskel teaches each of the plurality of debit transactions is further comprised of at least one additional data field selected from the group consisting of a sequence number, transaction code and import source (col. 5, lines 49-55).

Regarding on claim 106, Yeskel teaches the on-us items data structure is comprised of a plurality of transactions, wherein each of the plurality of transactions of the on-us items data structure is associated with a corresponding transaction stored in the all items data structure (col. 5, lines 49-55).

Regarding on claim 107, Yeskel teaches the cash letter items data structure is comprised of a plurality of transactions, wherein each of the plurality of transactions of the cash letter items data structure is associated with a corresponding transaction stored in the all items data structure (col. 5, lines 49-55).

Regarding on claim 108, Yeskel teaches each of the plurality of transactions of the cash letter items data structure is associated with a corresponding transaction stored in the on-us items data structure (col. 5, lines 49-55).

Regarding on claim 109, Yeskel teaches an image data archive subsystem, wherein the image data archive subsystem is comprised of an on-us items image database, wherein the on-us items image database is comprised of a plurality of images, wherein the on-us items data structure is comprised of a plurality of transactions, wherein each of the plurality of images of the on-us items image database

Art Unit: 2162

is associated with a corresponding one of the plurality of transactions of the on-us items data structure (col. 5, lines 31-36).

Regarding on claim 110, Yeskel teaches an image data archive subsystem, wherein the image data archive subsystem is comprised of an on-us items image database, wherein the on-us items image database is comprised of a plurality of images, wherein the all items data structure is comprised of a plurality of transactions, wherein each of the plurality of images of the on-us items image database is associated with a corresponding one of the plurality of transactions of the all items data structure (col. 5, lines 31-36).

Regarding on claim 111, Yeskel teaches an image data archive subsystem, wherein tire image data archive subsystem is comprised of a transit items image database, wherein the transit items image database: is comprised of a plurality of images, wherein the cash letter items data structure is comprised of a plurality of transactions, wherein each of the plurality of images of the transit items image database is associated with a corresponding one of the plurality of transactions of the cash letter items data structure (col. 5, lines 31-36).

Regarding on claim 112, Yeskel teaches an image data archive subsystem, wherein the image data archive subsystem is comprised of a transit items image database, wherein the transit items image database is comprised of a plurality of images, wherein the all items data structure is comprised of a plurality of transactions, wherein each of the plurality of images of the transit items image database is associated

Art Unit: 2162

with a corresponding one of the plurality of transactions of the all items data structure (col. 5, lines 31-36).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail BaoquocN.To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached at 571-272-4107.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

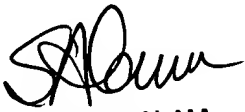
Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

(571) –273-8300 [Official Communication]

BQ To *BQ*
December 10th, 2006


SHAHID ALAM
PRIMARY EXAMINER